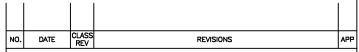
PLUG VALVE, ADJUST TO EQUAL GPM THRU COIL AT DESIGN FLOW MANUAL AIR VENT, 3/8" BALL VALVE (TYP.) (2) TEST PLUG REVERSE ACTING (TYP.) (2 SIGNAL-MIXING VALVE **BALANCING** VALVE -∠ AIR FLOW CWR COIL 1/2" PLUGGED DRAIN VALVE CWS SHUT-OFF VALVE (TYP.) HILLED WATER IL PIPING DETAIL (VARIABLE FLOW THROUGH COIL, FAIL TO FULL COOLING) SCALE: NONE NOTES: SEE SHEET 10 FOR STACKED COIL PIPING. 2. SEE SHEET 11 FOR DESIGN NOTES.

KEYED NOTES

- 1 INSTALL BALANCING VALVE WITH MINIMUM OF 3 STRAIGHT PIPE DIAMETERS UPSTREAM AND 1 STRAIGHT PIPE DIAMETER DOWNSTREAM.
- 2 MAINTAIN 6" MINIMUM CLEARANCE ABOVE TEST PLUG TO ALLOW GAUGE TO BE INSERTED. DON NOT COVER PLUG WITH INSULATION.
- 3 INSTALL SWING JOINTS AT COIL CONNECTIONS.
- 4 CONNECT BRANCH LINES FROM COIL INTO TOP OR SIDE OF SUPPLY & RETURN MAINS. CONNECTING INTO BOTTOM OF MAIN IS NOT ACCEPTABLE.
- 5 INSTALL MANUAL AIR VENTS IN SUPPLY & RETURN COIL BRANCH PIPING AS FOLLOWS:
 - A) IN PIPING HIGH POINT WHEN PIPING IS ABOVE MAIN.
 - B) CLOSE TO COIL WHEN PIPING NOT ABOVE MAIN (SIDE CONNECTION).



FACILITY ENGINEERING MANUAL

COIL PIPING CHILLED WATER

VARIABLE FLOW THROUGH COIL FAIL TO FULL COOLING

APPROVED: DISCIPLINE POC
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CHAPTER 6

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